

Product Description

High Impact, Polyamide 66, Thermo Stabilized

General Considerations

Resin ID (ISO 1043)	· PA66	
Additive	· High Impact	· Thermo Estabilized
Processing	· Injection Molding	· Extrusion
Color	· Natural	

Physical	Value	Unit	Method
Density / Specific Gravity	1,07 to 1,09	g/cm ³	ASTM D 792
Mold Shrinkage		%	ASTM D 955
Normal	1,2		
Parallel	1,4		
Water Absortion	1,2	%	ASTM D 570

Mechanical	DAM	50%RH	Unit	Method
Tensile Strength	50	38	MPa	ASTM D 638
Yield Stress	50	40	MPa	ASTM D 638
Yield Strain	5	40	%	ASTM D 638
Nominal Strain at Break	32	>50	%	ASTM D 638
Strain at Break	33	-	%	ASTM D 638
Tensile Modulus	1900	1100	MPa	ASTM D 638
Flexural Modulus	1900	830	MPa	ASTM D-790
Izod Notched Impact Strength			kJ/m ²	ASTM D-256
23°C	71,5			
Hardness, Rockwell R			-	ASTM D 785

Thermal	Value	Unit	Method
Heat Deflection Temperature		°C	ASTM D 648
1,82 MPa	61		
0,45 MPa	230		
Melting Point	260	°C	--

Flammability	Value	Unit	Method
Flame Rating	HB	-	UL94

Process	Value	Unit	Method
Molding Process Temperature	270 to 285	°C	--
Mold Temperature	60 to 80	°C	--
Drying	80/4	°C/Hours	--

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